

ABSTRACT

An object of the capacity control valve is to provide a constant, stable control of the pressure load without fluctuations. Also another object is to improve an energy efficiency of the drive torque of the rotary shaft by means of a control of the pressure load. In this arrangement, the solenoid coil section controls as a reference value of pressure load which is calculated by taking a sum of a pressure differential between the discharge pressure and the pressure in the control chamber, multiplied by the area of the open passage of the first valve seat, and a pressure differential between the pressure in the control chamber and the suction pressure, multiplied by the area of the open passage of the second valve seat.